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TRANSMITTAL FORM Application Number 10/527,374

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First Named Inventor Beckman

Art Unit

(to be used for all correspondence after initial filing)			Examiner Name		
Total Number of Pages in This Submission			Attorney Docket N	umber	ARIZ.10665
ENCLOSURES (Check all that apply)					
Fee Transmittal Form Fee Attached Amendment / Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement		Drawing Licensin Petition Provisio Power of Change Termina Reques	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD		After Allowance Communication to TC Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Schmeiser Olsen & Watts, LLP					
Signature Printed name Albert L. Schmeiser					
Date November 29, 2005				Reg. No.	30,681
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Date

November 302005



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. §§1.97-1.99

PATENT APPLICATION

Applicant:

Beckman, James R.

Docket No.: ARIZ-10665

Filed on:

3/10/05

Serial No.:

10/527,374

For:

METHOD AND APPARATUS FOR SIMULTANEOUS HEAT AND MASS

TRANSFER UTILIZING A CARRIER-GAS

Mail Stop Application Commissioner for Patents Alexandria, VA 22313

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §§1.97-1.99, Applicant(s) hereby notifies the U.S. Patent and Trademark Office of the documents listed on the attached Form PTO-1449. One copy of each cited document is submitted herewith. Applicant respectfully submits that all pending claims are patentable over the foregoing references, alone or in combination. The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant reserves the right to dispute any of the listed documents as prior art during examination. Further, Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Furthermore, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.



This Information Disclosure Statement is being filed before the mailing of a first Office

Action on the merits under 37 C.F.R. 1.114.

Respectfully submitted,

Albert L. Schmeiser

Reg. No. 30,681

Date: November 29, 2005

Enclosures:

PTO-1449

Form 10-1449 U.S. DEPARTMENT OF COMMERCE SERIAL NO. ATTY, DOCKET NO. 8-83) PATENT AND TRADEMARK OFFICE 10/527,374 ARIZ-10665 APPLICANT INFORMATION DISCLOSURE Beckman CITATION **GROUP FILING DATE** (Use several sheets if necessary) 03/10/2005 **U. S. PATENT DOCUMENTS FILING** SUB-DATE IF DOCUMENT **EXAMINER APPROPRIATE REF** NUMBER DATE NAME **CLASS CLASS** INITIAL OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Furter, William F. Salt Effect in Distillation: A Literature Review II, The Canadian Journal of Chemical Engineering, Vol. 55, June, 1977, pps 229-238 Furter, William F. Salt Effect in Distillation: A Literature Review II, The Canadian Journal of Chemical Engineering, Vol. 55, June, 1977, pps 23-36 4. Guerreri, G. Membrane Alcohol Separation Process - Integrated Pervaporation and Fractional Distillation, Trans IChemE, Vol. 70, Part A, September 1992, pps. 501-508 Agrawal, Rakesh; Fidkowski, Zbigniew T.; Xu, Jianguo Prefractionation to Reduce Energy Consumption in Distillation without Changing Utility Temperatures, AIChE Journal, Vol. 42, No. 8, August 1996, pps 2118-2127 Beckman, James R.; Albers, Walter F. Energy-Efficient Ethanol-Water Fractionation by a Carrier-Gas Method, AIChE Journal, Vol. 37, No. 2, February, 1991, pps 281-284 Davis, J. F.; Tung. Hsien-Hsin; Mah, R. S. H. Fractionation with Condensation and Evaporation in Wetted-Wall Columns, AIChE Journal, Vol. 30, No. 2, March, 1984, pps 328-338 Daugulis, Andrew J.; Axford, Darryl B.; McLellan, P. James The Economics of Ethanol Production by Extractive Fermentation, The Canadian Journal of Chemical Engineering, Vol. 69, April, 1991, pps 488-497 Beckman, James R.; Hamieh, Bassem M. Carrier-Gas Desalination Analysis Using Humidification-Dehumidification Cycle, Dept. of Chemical, Bio and Materials Engineering, Arizona State University, 1999,pps183-193 Hamieh, Bassem M.; Beckman, James R.; Ybarra, Michael D. Brackish and Seawater Desalination Using a 20 ft2 Dewvaporation Tower, Dept. of Chemical, Bio and Materials Engineering, Arizona State University, 2001, pps 217-226 Hamieh, Bassem M.; Beckman, James R.; Ybarra, Michael D. The Dewvaporation Tower: An Experimental & Theoretical Study with Economic Analysis, Desalination & Water Reuse, Vol. 10/2, 2000, pps 35-43 Beckman, James R. U.S. provisional patent application titled "Method and Apparatus for Desalination and Concentration by a Carrier-Gas Tower" 1999, all pages Beckman, James R. Carrier-Gas Enhanced Atmospheric Pressure Desalination Final Report, September 2002, all pages Beckman, James R. Pressurized Industrial Dewvaporation Design CGS Evaporation Pond Water Reclamation Final Report, June 2004, all pages Beckman, James R. Innovative Atmospheric Pressure Desalination Final Report, September 1999, all pages 16. Beckman, James R.; Ybarra, Michael; Flores, Melvin Staged Carrier-Gas Fractionation Analysis, Unpublished, 1999, all pages



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EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.